

Product datasheet

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ARG55421 anti-CREB3L4 / AIBZIP antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Mouse Monoclonal antibody recognizes CREB3L4 / AIBZIP

Tested Reactivity Hu, Rat
Tested Application WB

Host Mouse

Clonality Monoclonal
Clone 1165CT16.1.1

Isotype IgG1

Target Name CREB3L4 / AIBZIP

Species Human

Immunogen Synthetic peptide corresponding to aa. 1-300 of Human CREB3L4.

Conjugation Un-conjugated

Alternate Names Transcript induced in spermiogenesis protein 40; cAMP-responsive element-binding protein 3-like

protein 4; Androgen-induced basic leucine zipper protein; Cyclic AMP-responsive element-binding protein 3-like protein 4; cAMP-responsive element-binding protein 4; CREB4; CREB3; hJAL; Tisp40; ATCE1; JAL; Cyclic AMP-responsive element-binding protein 4; Attaching to CRE-like 1; CREB-4; AlbZIP;

AIBZIP

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|----------|
| | WB | 1:1000 |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |
| Positive Control | Daudi | |

Properties

Form Liquid

Purification Purification with Protein G.

Buffer PBS and 0.09% (W/V) Sodium azide

Preservative 0.09% (W/V) Sodium azide

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links GeneID: 148327 Human

GeneID: 310616 Rat

Swiss-port # Q5UEM7 Rat

Swiss-port # Q8TEY5 Human

Gene Symbol CREB3L4

Gene Full Name cAMP responsive element binding protein 3-like 4

Background This gene encodes a CREB (cAMP responsive element binding) protein with a transmembrane domain

which localizes it to the ER membrane. The encoded protein is a transcriptional activator which contains a dimerization domain, and this protein may function in a number of processing pathways including protein processing. Multiple transcript variants encoding different isoforms have been found

for this gene. [provided by RefSeq, Dec 2011]

Function Transcriptional activator that may play a role in the unfolded protein response. Binds to the UPR

element (UPRE) but not to CRE element. Preferentially binds DNA with to the consensus sequence 5'-T[GT]ACGT[GA][GT]-3' and has transcriptional activation activity from UPRE. Binds to NF-kappa-B site and has transcriptional activation activity from NF-kappa-B-containing regulatory elements (By

similarity). [UniProt]

Research Area Gene Regulation antibody

Calculated Mw 43 kDa

PTM N-glycosylated in the C-terminal region.

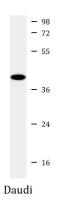
Controlled by regulated intramembrane proteolysis (RIP). Following ER stress a fragment containing the cytoplasmic transcription factor domain is released by proteolysis. The cleavage seems to be performed sequentially by site-1 and site-2 proteases (PS1 and PS2). PS1 cleavage may be suppressed by a

determinant in the C-terminal region (By similarity).

Cellular Localization Endoplasmic reticulum membrane; Single-pass type II membrane protein. Golgi apparatus membrane;

Single-pass type II membrane protein. Note=May also be located in Golgi apparatus

Images



ARG55421 anti-CREB3L4 / AIBZIP antibody WB image

Western blot: 35 μg of Daudi cell lysate stained with ARG55421 anti-CREB3L4 / AIBZIP antibody.